



**Certificate of constancy of
performance
Nr. 04-23-357**



UAB „Kiwa Inspecta“ Certification body, after actions according to STR 1.01.04:2015 system 1+ has granted this certificate as proof that

TOSYALI IRON STEEL INDUSTRY ALGERIE SPA
Pole Economique Plateau Gourirate, Commune Bethioua Wilaya d'Oran, Algerie 31210
(name and address of the manufacturer, company code)

in the manufacturing plant

TOSYALI IRON STEEL INDUSTRY ALGERIE SPA
Pole Economique Plateau Gourirate, Commune Bethioua Wilaya d'Oran, Algerie 31210
(address of manufacturing plant)

produced by

weldable, ribbed, hot rolled reinforcing steel bars

for the reinforcement of concrete structures
(name of product and intended use)

brand name B500B,
diameters: Ø8 - Ø32 mm
manufacturer identification marking: 9/87
(type of the product)

conform to

LST EN 10080:2005

requirements and values declared by manufacturer (see annex).

This certificate was first issued **2023-08-24** and will remain valid as long as the standard remains valid and the factory production control fulfils all the prescribed requirements of the standard set out above.

Date of issue **2024-01-04**

Laimutė Ditauskienė
Certification business unit manager

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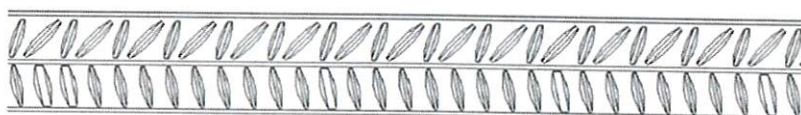
Nr. LA 03 013



Performance of the product:

Characteristics	Test method	Unit of measurement	Declared value
Yield strength, R_e	LST EN ISO 15630-1	MPa	≥ 500
Ratio tensile strength/yield strength, R_m/R_e	LST EN ISO 15630-1	-	≥ 1.08
Percentage total elongation at maximum force, A_{gt}	LST EN ISO 15630-1	%	≥ 5.0
Suitability for bending	LST EN ISO 15630-1	-	pass
Dimensional tolerances, f_R $\varnothing 8$ - $\varnothing 12$ mm > $\varnothing 12$ mm	LST EN ISO 15630-1	-	≥ 0.040 ≥ 0.056
Dimensional tolerances	LST EN ISO 15630-1	-	± 4.5
Weldability (carbon equivalent C_{eq})	chemical analysis	%	≤ 0.52
Durability: - carbon, C - sulphur, S - phosphorus, P - nitrogen, N - copper, Cu	chemical analysis	%	≤ 0.24 ≤ 0.055 ≤ 0.055 ≤ 0.014 ≤ 0.85

* - manufacturer identification marking: 9/87



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2024-01-04